

Patent Abstracts of Japan

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APPLICANT : SUMITOMO METAL IND LTD;

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INT.CL. : C07K 14/78 // C12N 15/09 C12P 21/02
(C12P 21/02 , C12R 1:19)

TITLE : NEW CELL ADHESION-ACTIVE
PEPTIDE

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1          10          20
Ser Phe Asp Asn Arg Tyr Phe Thr Phe Ser Gly Ile Cys Gln Tyr Leu Leu Ala Arg Asp
5'- ACC GTT GAC AAC AGA TAC TTC ACC TTC ACT GCG ATC TGC CAG TAC CTC CTC GGC CGG CAT
1          40
Cys Gln Asp His Ser Phe Ser (Ile Val) Ile Gln Thr Val Gln Cys Ala Asp Asp Arg Asp
TGC CAG GAC CAC TCC TTC TCC ATT GTC ATT GAG ACT GTC CAG TGT GCT GAT GAC GCG GAC
41          50          60
Ala Val Cys Thr Arg Ser Val Thr Val Arg Leu Pro Gly Leu His Asn Ser Leu Val Lys
GCT GTG TGC ACC CCG TCC GTC ACC GTC CCG CTG GCT GGC CTG CAC AAC ATC CTT GTG AAA -3'
121          180

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ABSTRACT : PURPOSE: To obtain the subject new peptide found in the propolypeptide of the von Willebrand's disease factor, having a specific amino acid sequence, having an activity to specifically adhere to a myeloma cell, and useful for medicines effective for inhibiting cancer metastasis, etc.

CONSTITUTION: This new cell adhesion-active peptide is found in the propolypeptide of the von Willebrand's disease factor (pp-vWF), has an amino acid sequence of the formula or the sequence wherein one or more amino acids are added to, deleted from or substituted for thr amino acid sequence, has a cell adhesion activity specially to myeloma cells, and is useful for medicines effective in the inhibition of cancer metastasis, etc. The peptide is obtained by digesting the pp-vWF purified and isolated from bovine platelet by immunoaffinity chromatography with an enzyme, and subsequently separating and purifying the digestion product by reverse-phase high performance liquid chromatography.

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